P. W & L.

(1927) Department

Mis. SERIES.

G.O. No. 574 W

DATED 15. 3. 1927.

[Despatch Abstract.]

Water supply - Alipuram Jail - Bellary - Improvements - penditure Rs. 17,000 - approved.

DEPARTMENT.

Received..... *Registered*.....

From (Name)

(Designation)

Post Box....., (Station).....

Telegraphic Address.....

K. 5536/C
2/9/2
DV

To The Secretary to Government,

[illegible] Department,

[illegible].

No. 4111 dated 14th September 192[illegible].

Sir,

Enclosures .....

.....

.....

Spare Copies.....

* Vellore - Alipuram Jail - Public - Improvements to Water supply.

I have the honour to submit for the orders of Government plan and estimate amounting to Rs.17,000/- for improvements to the Alipuram Jail water supply and to request that funds may be provided for carrying out the work in the Budget estimate for 1927-28.

2. The necessity for the work has been fully explained in the report of the Sanitary Engineer to Government accompanying the estimate, and it will be unnecessary to repeat the same here. I should also forward without delay. A copy of the report of the Director of Public Institutions, Madras, on the Alipuram Jail water supply is also enclosed for information.

3. As there is no possibility of the Municipality contributing towards Government will not be able to find the money.

I have the honour to be,

Sir,

Your most obedient servant,

J. C. [illegible]

Inspector-General.

Report on the water supply to the Alipuram Jail, of the
King Institute,

There are two alternative supplies:-

(a) From the tank called the Fort Ditch a

(b) From the Alipuram Tank.

(A) The Fort Ditch Supply

This year it has not yet been issued. Presumably it is in reserve. It has a complete rapid mechanical pressure filter plant in good order.

(B) The Alipuram Tank Supply.

1. The water yielded by the slow sand filters belonging to this supply is practically the same as the raw water bacteriologically. (Lactose fermenter present in 5 c.c. Total count 1000.) The only improvement is a slight diminution in the gross turbidity and in the organic content. Despite this, the filtered water is too turbid to be considered drinkable. The drinking of this alkaline muddy water is likely to cause dysentery and diarrhoea and until the water is improved, this supply should be given up if possible.

2. The tank is shallow (maximum depth about 12 ft.) and very much exposed to wind; hence the turbidity.

Sedimentation is essential and if this water is to be used a sedimenting and aluming reservoir should be provided. At present alum is added in powder form after filteration in the Jail reserve This is harmful.

3. The slow sand filters need to be provided with auto regulators and to be properly worked. I suggest that the Sa to Government be consulted.

16/9/26

For Inspector-General of Prisons

Copy of letter No. 1203/M, dated the 2nd August 1926, from the Sanitary Engineer to Government, to the Inspector-General of Prisons, Madras, Ootacamund.

With reference to your No.5757, dated the 3rd June 1926, I have the honour to state that I inspected the Alipur tank water supply of the Bellary Moplah Jail on the 24th and 25th July 1926.

2. The unsatisfactory condition of the filtered water is due to two principal reasons:-

(a). The tank water is twoo heavily laden with silt to be suitable for slow sand filteration without preliminary treatment.

(b). The slow sand filters are badly designed and not properl operated.

3. I do not recommend the transfer of the pressure filters from the Fort ditch for the following reasons:-

(i) The discharge of the Centrifugal pumps at the Alipkram tank Headworks is too great for the capacity of the pressure filters and new pumps would have to be purchased.

(ii). If new pumps were installed the Horse power of the oil engines would be considerably in excess of requirements for the smaller pumps and the engines would not work economically and probably not satisfactorily.

(iii). Pressure filters should not be used on principle for 'domestic' water supply system where levels permit of gravit filters of either the rapid or slow sand filter patterh bein used.

4. As regards (b) para 2 above, the water may be pretreated in two masonry coagulation and settlement tanks each of 12 hours capacity. The water would be dosedwith a solution of alumino ferric at its entrance to these tanks, which would work on the'continuous flow'system and would pass on to the slow sand filters sufficiently clarified for filteration by that method.

5. The principal faults in design and operation of the

Copy of letter No. 1809/M, dated the 2nd August 1926,
from the Sanitary Engineer to Government, to the Inspector-
General of Prisons, Madras, Ootacamund.

With reference to your No.3757, dated the 3rd June
1926, I have the honour to state that I inspected the Hyderam
tank water supply of the Bellary Hospital Hill on the 24th
and 25th July 1926.

2. The unsatisfactory condition of the filtered water
is due to two principal reasons:-

(a). The tank water is two heavily laden with silt to be
suitable for slow sand filteration without preliminary treat-
ment.

(b). The slow sand filters are badly designed and not properly
operated.

3. I do not recommend the transfer of the pressure filters
from the Fort Hitch for the following reasons:-

(i) The discharge of the Centrifugal pumps at the Hyderam
tank Headworks is too great for the capacity of the pressure
filters and new pumps would have to be purchased.

(ii). If new pumps were installed the horse power of the oil
engines would be considerably in excess of regd remarks for
the smaller pumps and the engines would not work economically
and probably not satisfactorily.

(iii). Pressure filters should not be used on principle for
domestic water supply system where levels permit of gravity
filters of either the rapid or slow sand filter pattern being
used.

4. As regards (b) para 2 above, the water may be bettered
in two respects coagulation and settlement tanks each of 12
hours capacity. The water would be dosed with a solution of
alumino ferric at its entrance to these tanks, which would
work on the continuous flow system and would pass on to the
slow sand filters sufficiently clarified for filteration by
that method.

5. The principal faults in design and operation of the
existing slow sand filters are as follows:-

(A). The inlet to all these filters is controlled by one sluice valve instead of a sluice valve for each bed.

(B). There is no automatic float valve to maintain a constant water level in the filters.

(C) There are no filter outlet regulators, either hand or automatically controlled, to measure and regulare the discharge of the filters.

(D). Nomeans are provided for filling the filters with filtered water fromunderneath when a filter is brought into commission after scraping.

(E). There are no proper arrangements for scouring the filters.

(F). The quality of sand used is too coarse.

(G). The filters are not under the daily control of a full time qualified Filter Superintendent as they should be.

6. As a result of the above defects the filters after being cleaned and brought into commission discharge at an indefinite rate, which may be up to 12 inches vertical per hour or more ie., three times that would be the correct rate even with a raw water of better quality than at Alipuram. Owing to the high rate of filteration the silt penetrates throughout the sand, no biologicalfilter skin is formed and practically no purification takes place. The only result is a slight improvement in clarity.

7. If slow sand filters are to give satisfactory results it is essential that they should be properly started on each filter 'run' that they should run continuously and that the rate of filteration should be maintained constant.

When starting the filter the rate of filteration should only be $\frac{1}{8}$ inch vertical flow per hour. This should be gradually increased to 4" vertical per hour at which it should be maintained constant until the 'filter head' reaches 24 inches when the filter should be thrown out of commission for cleaning.

8. There was nobody at the Alipuram Headworks who had any knowledge of the principles of low sand filteration or any

(J). The inlet to all these filters is controlled by one sluice valve instead of a sluice valve for o ch bed.

(H). There is no automatic float valve to maintain a constan water level in the filters.

(O) There are no filter outlet regulators, either hand or automatically controlled, to measure and regulate the discharge of the filters.

(D). Meanmeans are provided for filling the filters with filtered water fromunderneath when a filter is brought into commission after scraping.

(E). There are no proper arrangements for scouring the filters.

(K). The quality of sand used is too coarse.

(C). The filters are not under the daily control of a full time qualified Filter Superintendent as they should be.

6. As a result of the above defects the filters after being cleaned and brought into commission discharge at an indefinite rate, which may be up to IS inches vertical per hour or more is, three times that would be the correct rate even with a raw water of better quality than at Aigburth. Owing to the high rate of filteration the silt penetrates throughout the sand, no biologicalfilter skin is formed and practically no purification takes place. The only result is a slight improvement in clarity.

7. It slow sand filters are to give satisfactory result it is essential that they should be properly started on each filter 'run' that they should run continuously and that the rate of filteration should be maintained constant.

When scarting the filter the rate of filteration should only be ½ inch vertical flow per hour. This should be gradually increased to 4" vertical per hour at which it should be maintained constant until the 'filter head' reaches 24 inches when the filter should be thrown out of commission for cleaning.

8. There was nobody at the Aigburth Headworks who had any knowledge of the principles of low sand filteration or the

experience of how to operate them. There is no such thing as a fool-rpoof or automatic system of water purification and ti is essential that this little filteration station should be in harge of a qualified filter Superintendent who should be com-elled to live at the Hea works or in the village close by and m whose sole duty should be the control of the filters and head orks generally. He should be a selected man with the qualif-ations of a Health Inspector-and should have attended the cours n minor Sanitary Engineering at the Medical College within the ast three years. After selection he should be trained under me or 6 weeks at the Experimentalfilters, Guindy and subsequently or 10 days at the Alipuram Headworks, by the Superintendent, xperimental filters, Ghandy.

. The sand used on the filters is too coarse and should be eplaced by Nagari river sand passed through a sieve of 10 esses per lineal inch and retained in a sieve of 40 meshes per lneal inch.

. Frogs were observed to be present both in the clear water eservoir and the suction well. These should be removed and e covers of both made to exclude frogs and raptiles of any scription.

. Plans and estimates are forwarded for carrying out the cessary improvements at the Head Works. No variation however all, should be permitted from these plans during execution thout my prior approval.

. Another defect that should be remedied at once is that there is bye pass permitting the connection of raw water direct to the Suction well. In No filtration station should this be possible. There should be no means of water getting to the Suction well exdept through the filtere and clear water reser-voir. The Jail Supt. assured me that unfiltered water was never pumped to the Jail but he had only the word of the Engine Driver and warders to rely upon and I am of the opinion that this may have occurred as a regular practice. The bye pass connection to the Suction well should be removed to render this impossible.

(True Copy).

(Time 0054).

the Suction well should be removed to render this impossible.

have occurred as a regular practice. The by-pass connection to and wardens to rely upon and I am of the opinion that this may pumped to the Jail but he had only the word of the Engine Driver. The Jail Supt. assured me that unfiltered water was never used for drinking purposes. There should be no means of water getting to the Suction well except through the filters and clear water reservoir. In no filtration station should this be possible. There should be a by-pass permitting the connection of raw water direct to the Suction well. Another defect that should be remedied at once is that there is no such thing as a fool-proof or automatic system of water purification and it is essential that this little filteration station should be in charge of a qualified filter Superintendent who should be compelled to live at the Hoe works or in the village close by and whose sole duty should be the control of the filters and head works generally. He should be a selected man with the qualifications of a Health Inspector-and should have attended the course in minor Sanitary Engineering at the Medical College within the last three years. After selection he should be trained under me for 6 weeks at the Experimental Filters, Guindy and subsequently for 10 days at the Alipuram Headworks, by the Superintendent, Experimental Filters, Guindy.

3. The sand used on the filters is too coarse and should be replaced by Ennore river sand passed through a sieve of 10 meshes per linear inch and retained in a sieve of 40 meshes per linear inch.

10. Drops were observed to be present both in the clear water reservoir and the suction well. These should be removed and the covers of both made to exclude frogs and rubbish of any description.

11. Plans and estimates are forwarded for carrying out the necessary improvements at the Head Works. No variation however small, should be permitted from these plans during execution without my prior approval.

12. Another defect that should be remedied at once is that there is no pass permitting the connection of raw water direct to

Ord. & Log.

Alipuram Jail - water supply - improvements - faulty design

Memo No. 17V

Memo No. G.795 dt 15.9.26.

No. 14017 C/26-1 dt 17.11.26.

Ord.

An estimate amounting to Rs 1,21,000 for a scheme of water-supply to the Alipuram jail was sanctioned in G.O. No 746 W dt 2.7.24. The Secy Engr. inspected the works on 24th & 25th July 1926 & reported that the unsatisfactory condition of the filter water was due, among other reasons, to the fact that the slow sand-filters were badly designed & not properly operated. A list of such defects is given in para 5 of the Secy Engr's letter No. 1203 M dt 2.8.26. He now submits that works costing Rs. 17000 for repairs to the filters have been necessitated & the question is now under the consideration of the Govt. The C.E. is requested to obtain & submit the explanation of the officers responsible for the defective design - furnished in Enclosure

13.11.26 16.11.26 17/11 16 Nov

To the C.E. (R & B) with copy of C.7.
R.D. one months.

Law (General) Dept.

5364 C

Memo. No. 5364 C-5 Dy. 30. 11. 26

30/11/26

Jails. Alipuram - Water supply scheme

(1) - Requisition for G.O. No. 746 W Dy 2.7.24 from the Chief Engineer's office

-

(D) The original of G.O. No. 746 W Dy 2.7.24 is furnished ~~to the Chief Engineer who is requested to~~ to return the G.O. at an early date

DESPATCHED
on 30. NOV 26

To

The Chief Engineer (R & B)

with G.O. No. 746 W Dy 2.7.24.

(1)

26.11.26

26/11

26/11

22 DEC 1926
MADRAS G.O.M.

PW & L Department.

Branch.

ASST. SECRETARY TO GOVT.
24 DEC 1926
PUBLIC WORKS AND LABOUR DEPT.

REMINDER. **REPLY.**

CE (R+S)

To

The Secretary to Govt.
PW & L Dept

~~has the honour to invite~~
The undersigned is directed to invite
~~invites~~

A reference on the subject has been made to the S E Madras Circle whose reply is awaited.

P Narayanaswamy
23/12/26
Under Secy to Govt.
(R & S)

with reference to the communication noted in the margin and to request that his reminder may be returned at once with information as to —

1. the stage at which the matter now is,
2. the date by which a reply may be expected ~~and~~
3. ~~the circumstances which have caused the delay~~.

2. It is requested that the reply to this reminder may be sent not later than a week

(13.0)

14017C/26-1 dated 17.11.26

12 Sept

Office

George
Station

12-26
Dated

V Gopala Rao
20.12.26
Signature.

Superintendent
Designation.

17.12.26

L.O. Rle 1.2.27

M 3.1.27.

3.1.27

MS

(Main file in Law dept)

SUBJECT.

Water Supply – Nilgiri
Jail – Bellary.

C.F. 88.

9

P. W. & L. Department.

Branch.

REMINDER. REPLY.

To

The Chief Engineer To

P & B

The Secretary to Govt

P W & L Dept

The undersigned ~~has the honour to invite~~ is directed to invite ~~invites~~ attention to the communication noted in the margin and to request that this reminder may be returned at once with information as to—

Year 1401/C/27, dated 17.11.26.

(1) the stage at which the matter now is,

(2) the date by which a reply may be expected ~~and~~

~~(3) the circumstances which have caused the delay.~~

2. It is requested that the reply to this reminder may be sent not later than a week

(By order)

K Gopalakrishnan 7.2.27

Superintendent
Signature.

Designation.

T & C. Dept
Office

Station Guard

~~Dated~~

The question is being referred to the Sanitary Engineer for remarks — On receipt of this reply the reference will be disposed

P Narayanayakudu 9/2/27
For Chief Engineer
(P W & L)

Cwd 8/2/27.

L. O. till 15.3.27

TPB 10.2.27 pls 11.2.27

SUBJECT.

Alipuram pair - water Supply. improvement. Faulty design

Law (Genl) Deptt.

CNo. 5364C. From the I.G. of Prisons, No. Gs 795 dt 15.9.26.

Jails - Alipuram - Improvement of water supply - Rs 17000.

—

U.S.

Prior to 1924 the Alipuram Jail ~~has~~ been receiving its water supply from the Fort Dilch Bellary, which was fed by a long tortuous earthen channel taking off from a sluice in the Alipuram tank. A long unprotected channel of this nature was considered unsatisfactory not only from a sanitary point of view but also on account of great losses from seepage and evaporation and an estimate for Rs 1,21,000 for a scheme of water supply to the Alipuram Jail was sanctioned in G.O. No. 746 W dt 2.7.24. The estimate provided for pumping water direct from the Alipuram tank through 6" pipes to a storage reservoir in the jail. The estimate provided for gravitation flow through sand filters and then pumping from a sump The Sanitary Engineer to Govt. inspected the water supply scheme and suggested the addition of a masonry reservoir between the filter beds and the engine house. The

the items proposed by the P. W.D and the Sanitary Engineer were included in the estimate for Rs 1,21,000 and they consisted of the following :-

Pipes, engines, pumps etc	87,000.
Construction of engine room & store room	5,350
construction of filter beds	15,000 .
Construction of service reservoir	5,625
Construction of a water tank over the kitchen	4 600
Unforeseen works	2275
	121000

2. The Sanitary Engineer inspected the Alipuram jail on the 24th and 25th July 1926 and remarks that the unsatisfactory condition of the filtered water was due to two principal reasons :- Paragraph 2 of p 3 C.

(a) the tank water is too heavily laden with silt to be suitable for slow sand filteration without preliminary treatment;

(b) the slow sand filters are badly designed and not properly operated. The principal defects are enumerated in paragraph 5 of the Sany. Engineers letter. p 4-5 C.

To remedy these defects ~~in the present filtering system and for treating the tank water with a solution of Alumina ferric~~, the Sanitary Engineer has drawn up an estimate for Rs 17,000. p 7 et seq C.

says that no variation however small should be permitted during execution without his prior approval. The necessity for the work has been fully explained on pp 3-5 c.f.

3. In this connection reference is solicited to the remarks of the Director of Kung Institute regarding the Alipuram Tank water The drinking of this alkaline and muddy water is likely to cause dysentry and diarrhoea and he does not recommend the use of this water until it is improved.

4. In these circumstances the proposal to improve the Alipuram Jail water supply may be accepted in this department case may be sent to P. W. D and Finance for remarks.

20/ 28.9.26

PR 29.9.26

V.T.K 30/9

P.W.D

Fin

P.W.D Note

If the proposal is accepted provision of the whole amount of the estimate may be made in the budget of 1927-28. Note may be passed onto Fin. with the remarks

1-10-26.

Memo. 11707 C/26-1

2.10.26

Finance (B.S.W)

The proposal relates to improvements to water supply in the Alipuram Jail, Bellary. The scheme is estimated to cost Rs. 17,000 and the P.W.D. suggest that the entire amount may be provided in the budget estimate for 1927-28. The necessity for the work is fully explained in the report of the Sanitary Engineer on pages 3-5 C.F. The scheme appears to be really urgent and Finance may agree to its being brought forward as a Part II scheme for 1927-28. The Law (Ct) Dept. may be requested to prepare the necessary note for the Finance Committee

pages 3-5 C.F.

Dy. 11.X.26

13/10/26

KW 11.X.26.

There is no explanation why the defects noticed in para: 2 of the Sanitary Engineer's letter on p. 3 C.F. were allowed when the original design for the water-supply was prepared.

Dy. 11.X.26

S.

13/10/26

Fin. Dept. No. 29654 A&E IV-1
13.X.26.
D. No. 5968 C
13/X/26

Law

Law (Genl) Dept.

The S. of Prisons, in a further

Rs
estimated cost 17,000

(D)

Communication now in P. W. D., suggested that the improvements suggested in this file might be treated as part of the estimate for Rs 1,21,000 sanctioned in G.O. No. 746 W dt 2.7.24 and that the work might be taken up in the current year utilising the amounts that would be surrendered from the budget provision for certain other jail works. These suggestions have been accepted in this department as the proposed improvements to the water supply scheme of the Alipuram jail are said to be imperative urgent. ~~and~~ The E4's proposals have been sent n.o. to P. W. D. and Finance for remarks. Submitted that the return of the file may be awaited for a week.

It has been decided to treat the work as a Part II scheme for 27-28]

dd/ 14.10.26.

16/X

U.S.

A draft note for the Finance committee is submitted. It may be sent n.o. to Finance for adding their portion of the note.

Secl. 30193 B.1.IV
28.X.26.

Geol. ~~Spl.~~ S 364 C-2
28.X.26.

dd/ 27.X.26.

28/10 S! V.T.K 8/10

Finance

Fin.(B.S.IV)

(Previous Fin. note on page 4 ante)

The draft note for the Fin. Committee may be accepted and the following added as note by this dept:—

"The proposal may be placed before the Finance Committee as a Part II scheme for 1927-28"

There is still no explanation how the original scheme - faulty construction - came to be sanctioned

b
.x.26.

29.x.26

S.

30.10.27

W. W. No. 33199-S-8.IV.1
30-X-26.

Law

Fin.

Law (Genl) Dept.

Law (Gl) 6398
1-XI-26

.S.

With reference to Finance Secretary's remarks above, reference is solicited to the Chief Engineer's note on pages 12 and 13 of G.O. No. 746 W & 2.7.24. The original estimate for Rs. 1,21,000 provided for all the items suggested by the Jail Dept, the Sanitary Engineer and the Chief Engineer. Presumably none of the officers anticipated ~~[illegible]~~ the defects now noticed by the Sanitary Engineer in the Alipuram Jail water supply scheme. If any further explanation is required the case will have to go to P.W.D.

ASSISTANT SEC. TO GOVT. 1-NOV.1926 LAW DEPT.

2. For orders whether the case may be circulated to C_3 and C_4 with the note of the F. Committee.

1.11.26.

2/11

2/11

3/11/26 V.T.K.

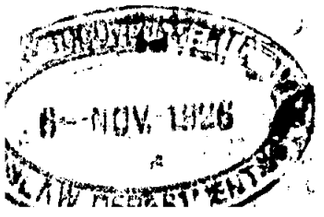
2.11

C_3

C_4

The scheme is to be F.C. but an explanatory note setting forth the facts for

1/11/26.



17

Law (General) Department.

Part II Scheme for 1927-28.

Jails - Alipuram - Improvements to water supply.

Note by the Administrative Department.

;ad of account.	Item of expenditure.	Ultimate expenditure.	Expenditure in 1927-28.
		Rs.	Rs.
..a-Civil Works - Transferred - Original works - Buildings - h. Jails and Convict Settlements.	Improvements to the Alipuram Jail water supply.	17,000/-	17,000/-

The Director, King Institute, Guindy, reports that the water supply from the Alipuram tank is unsatisfactory as it is alkaline and muddy and that the drinking of it is likely to cause dysentry and diarrhoea. To improve the water supply he suggests that a sedimenting and aluming reservoir should be provided. The Sanitary Engineer who inspected the water supply arrangements in the jail at the instance of the Inspector General of Prisons, considers that the unsatisfactory condition of the existing filtered water is due to the following two principal causes:-

(i) the tank water is too heavily laden with silt to be suitable for slow filtration without preliminary treatment, and

(ii) the slow sand filters are badly designed and not properly operated.

To remedy these defects he has forwarded plans and estimates for Rs.17,000/-. The improvements suggested by the Sanitary Engineer are imperatively urgent from the point of view of the health of the prisoners. A sum of Rs.17,000/- is required in 1927-28 under "41.a. Civil Works - Transferred-Original Works - buildings - h.Jails and Convict Settlements"

V.T.Krishnama Achariyar,
28-10-26.

Note by the Finance Department.

The proposal may be placed before the Finance Committee as a Part II Scheme for 1927-28.

G.T.Boag,
30-10-1926.

Law (General) departm

U.S.

Twenty clear copies of the note for the Finance Committee are being separately s to Finance.

2. The case may be sent to P.W. for remarks as to why the defects noticed in paragraph 2 of the Sanitary Engineer's letter were allowed when the original design for the water supply scheme approved in Govt. No. 746 W & 2.7.24 was prepared — Vide C6's note on p 7 ante.

ASST SECY TO GOVT 18.NOV.1926 LAW DEPT.

1 3 cpy.

14017C 12 NOV 1926 PUBLIC WORKS D

10.11.26

16/11

(C.) No. 5364 C-3
11.11.26

P.W. & L Dept

A draft O.M. to the C.E. is submitted. Affi
12.11.26 16.11.26 issue, the file may be sent to Law
(Secti

16.11.26

17/11

No. 14017 C/26-2
17.11.26.

Issued as memo. No. 14017 C/26-1 & 17.11.26.

L. 86774C
18/11/26.

U.S.

When the Chief Engineer's reply is received the P.W.D. will transfer it to this departmen Submitted that this may lie over till the reply is received. PWD shd be regularly reminded

19.11.26

19/11

Telephonic message from the Chief Engineers office 8

S.

The Chief Engineers office request that
No. No. 746 W & 2.7.24 may be sent. Re. (D)
urably the G.O. is wanted by that office before
replying to the memo. on P.W.C.F. The G.O.
may be sent with a request that it may be
returned at an early date.

A draft memo. is submitted.

Pro D as accept

26/11

Pro D No.

Pro M.L. 26.11.26

Law (Gen) on 5364C.4
27.11.26

ASST. SECRETARY TO GOVT. 27 NOV 1926 14872-C PUBLIC WORKS AND LABOUR DEPT.

SECRETARY TO GOVT. 6 JAN 1927 230C PUBLIC WORKS AND LABOUR DEPT.

May be accepted
Ys. PWD 29.11.26

27.11.26

Law (Gen) no

Isc...

29/11

MW 14872C/26
29-11-26.

L. & 7051C
29/11/26

ASSISTANT SECY TO GOVT. 23 NOV 1926 LAW DEPT.

U.S.

The P.W.D. may be requested to
obtain and forward with their remarks the reply from the Chief
Engineer to the memo on P.W.C.F.

Law (Gen) on 5364
5.1.27

4/1/27 PWD No

4.1.26.

10.1.26

14017-C/26.

A.S

The file may lie over till 1.2 pending receipt of the C.E.'s reply to memo.

Remr

4 FEB 1927

PTB 10.1.27 JKL 11.1.27

11-1-27

A sum of Rs.17,000 has been provided for the work in the Budget estimate for 1927-28. Orders may now be issued approving the proposal and authorising the C.E. to arrange for the preparation of detailed plans and estimates and technical sanction. A draft order accordingly is submitted.

Lp. 6.c.7

The C.E's reply to Memo.No.14017-C, dated 17-1 may be dealt with separately when received.

The draft order may be sent to Law(General) fc perusal before issue.

PTB 9.3.27 JKL 9.3.27

9.3.27

Sec 10/3

Law m

Ltr. no. 14017-C-26-3 10-3-27

US

may be perused & returned to Pwd with this

PJR 11/3/27

11/3 PWD

10 MAR 1927 SECT TO GOVT LAW DEPT

Sec 15/3

P.W. & L. DEPARTMENT.

	Date.	Initials.
When received for Fair-copying.		
When copied ..		
When examined ..		
When signed ..		
When despatched ..		

Water Supply. Alipuram Jail
Bellary - Improvements -
Estn. Rs. 17,000 approved.

READ AGAIN G.O. No. 746-W, dated 2.7. 1924 not pur

" " " " " " 192

READ ALSO :—

14017 No. ... From the I.G. of Prisons, No. G.795, dated 15th Sept 1926.
Read in part
Cancelled

" " " " " " 192

" " " " " " 192

ORDER.

No. 574W, dated 15-3- 1927.

16 MAR 1927

The proposed expenditure of Rs 17,000 on improvements to the Alipur Jail water supply is approved. The Chief Engineer is requested to arrang for the preparation of detailed plans and estimates for the work and techni sanction. It is proposed to provide sum of Rs.17,000 for the work in the Budget Estimate for 1927-28.

2. In executing the wor no variation from the Sanctioned plans should made without the Sanitary Engineer's prior approval

To the Chief Engr R & B with / plans and estimate and copy of Sanit. Engr's D.O. No. 1203 M/26.2.27

" " Law (General) Dept.